



# **PCT**

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

| Applicant's or agent's file reference B 14078 JL   | FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)  |
|--|---|
| International application No. PCT/FR2003/050045  | International filing date (day/month/year)  O1 septembre 2003 (01.09.2003)  Priority date (day/month/year)  O3 septembre 2002 (03.09.2002)  |
| International Patent Classification (IPC) or n<br>H01L 29/872  | national classification and IPC   |
| Applicant COM  | IMISSARIAT A L'ENERGIE ATOMIQUE   |
| and is transmitted to the applicant a  |   |
| This report is also accompar   | f sheets, including this cover sheet.  nied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been or this report and/or sheets containing rectifications made before this Authority (see Rule e Administrative Instructions under the PCT). |
| These annexes consist of a t   | total of sheets.  |
| IV Lack of unity of in  V Reasoned stateme citations and explie  VI Certain document  VII Certain defects in | it of opinion with regard to novelty, inventive step and industrial applicability invention and under Article 35(2) with regard to novelty, inventive step or industrial applicability; anations supporting such statement  |
| Date of submission of the demand   | Date of completion of this report   |
| 26 mars 2004 (26.03  | 3.2004) 15 December 2004 (15.12.2004)   |
| Name and mailing address of the IPEA/E   | Authorized officer  |
| Facsimile No.  | Telephone No.   |

Translation





| Interonal | application No. |
|-----------|-----------------|

### PCT/FR2003/050045

|         |   | ereport   |  |
|---------|---|---|--|
| 1. W    |   | d to the elements of the international application:*  |  |
|         | the   | international application as originally filed   |  |
| D       | the   | description:  |  |
| <b></b> | page  | es <u>1-19</u>  | , as originally filed  |
|         | pag   |   | , filed with the demand  |
|         | pag   | filed w   | ith the letter of  |
| r       | 7 160   | claims:   |  |
| L       |   | 1 12  | , as originally filed  |
| ;       | pag<br>pag  |   | amended (together with any statement under Article 19  |
| ٠       | pag   | <del></del>   | , filed with the demand  |
|         | pag   | C1 1  | rith the letter of   |
| _ K     | <del>-</del> a  |   |  |
|         |   | drawings:  ves 1/5-5/5  | as originally filed  |
| 1       | pag   |   | , as originally filed , as filed with the demand   |
|         | pag   |   |  |
| _       | pag<br>——   |   | Yitti the letter of  |
| [       | the s   | equence listing part of the description:  |  |
|         | pa  | ges   |  |
|         | pa  | ges   | , filed with the demand  |
| 1       | pa  | ges, filed v  | with the letter of   |
|         | the internal the internal the color than | ard to the language, all the elements marked above were available national application was filed, unless otherwise indicated under this ements were available or furnished to this Authority in the following the language of a translation furnished for the purposes of international elanguage of publication of the international application (under Ruste language of the translation furnished for the purposes of international elanguage of the translation furnished for the purposes of international elanguage of any nucleotide and/or amino acid sequence disclosury examination was carried out on the basis of the sequence listing ontained in the international application in written form. It led together with the international application in computer readable urnished subsequently to this Authority in written form. It is statement that the subsequently furnished written sequence international application as filed has been furnished. The statement that the information recorded in computer readable teen furnished. | g language which is: nal search (under Rule 23.1(b)). national preliminary examination (under Rule 55.2 and/ sed in the international application, the international ge: e form.  the listing does not go beyond the disclosure in the |
|         | Replace in this and 70.   | the description, pages the claims, Nos the drawings, sheets/fig this report has been established as if (some of) the amendments have eyond the disclosure as filed, as indicated in the Supplemental Box exament sheets which have been furnished to the receiving Office in a report as "originally filed" and are not annexed to this report 17).   | (Rule 70.2(c)).** response to an invitation under Article 14 are referred to ort since they do not contain amendments (Rule 70.16)   |
| *       | * Any rep   | placement sheet containing such amendments must be referred to u  | nder item $l$ and annexed to this report.  |

#### INTERNATIONAL PRELAMINARY EXAMINATION REPORT

| V. | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability citations and explanations supporting such statement |
|----|--|
|----|--|

| Statement                     |        |               |     |
|-------------------------------|--------|---------------|-----|
| Novelty (N)                   | Claims | 2, 5, 11, 12  | YEŞ |
|                               | Claims | 1, 3, 4, 6-10 | NO  |
| Inventive step (IS)           | Claims |               | YES |
| ,                             | Claims | 2, 5, 11, 12  | NO  |
| Industrial applicability (IA) | Claims | 1-12          | YES |
|                               | Claims |               | NO  |

#### 2. Citations and explanations

1. This report makes reference to the following document:

D1: WO 00/49661 A (KONINKL PHILIPS ELECTRONICS NV), 24 August 2000 (2000-08-24)

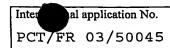
The present application does not meet the requirements of PCT Article 33(1) because the subject matter of claims 1, 3, 4 and 6-10 does not meet the requirement of PCT Article 33(2) for novelty.

The feature "epitaxially grown" cannot be taken into consideration for the examination of novelty because this feature relates to a method.

Document D1 describes (see figures 4 and 9, and the corresponding text; the references in parentheses are to that document):

a power semiconductor device (since it is a LDMOStype transistor) comprising a layer of the SOI type (1) and electric connection means (15) that extend through the insulating layer (20), connecting the





epitaxially grown material (22; 32) to the contact (25) located on the rear surface.

The disclosure in claims 1, 3, 4 and 6-10 is therefore not novel.

3. The features of claims 2, 5, 11 and 12 are only some of several obvious possibilities from which a person skilled in the art would select to solve the stated problem, according to the circumstances, without being inventive.